

EX41941F

Hardened Unmanaged 4-Port Gigabit PoE & 1-Port Gigabit RJ45 Ethernet Switch



Product Highlights

High-Power PoE (Power over Ethernet)

- Up to 30W output per port for various security, LED lighting, and other applications
- Total PoE power budget of 120W
- Backward compatible with 802.3af devices

Hardened-Grade for Non-Ventilated & Harsh Environments

- Wide operating temperature range from -40 to 75°C (-40 to 167°F)
- Fanless operation
- High impact, thermal shock, and electrical noise resistance

Support

- Complimentary Technical Support
- In-person training and free online training courses available
- Limited Lifetime Warranty

Overview

EtherWAN's EX41941F is a compact hardened unmanaged flat form factor PoE switch which can be wall or DIN-rail mounted. 4 gigabit PoE ports provide up to 30W output per port with a PoE power budget of 120W, ensuring that the maximum possible power is delivered to every device at all times. 1 RJ45 uplink port provides flexibility for data transmission and cascading. The EX41941F provides the power required to support various security and other network applications, along with flexibility, speed, and reliability to support networks where connectivity is crucial.

Ordering Information

Model

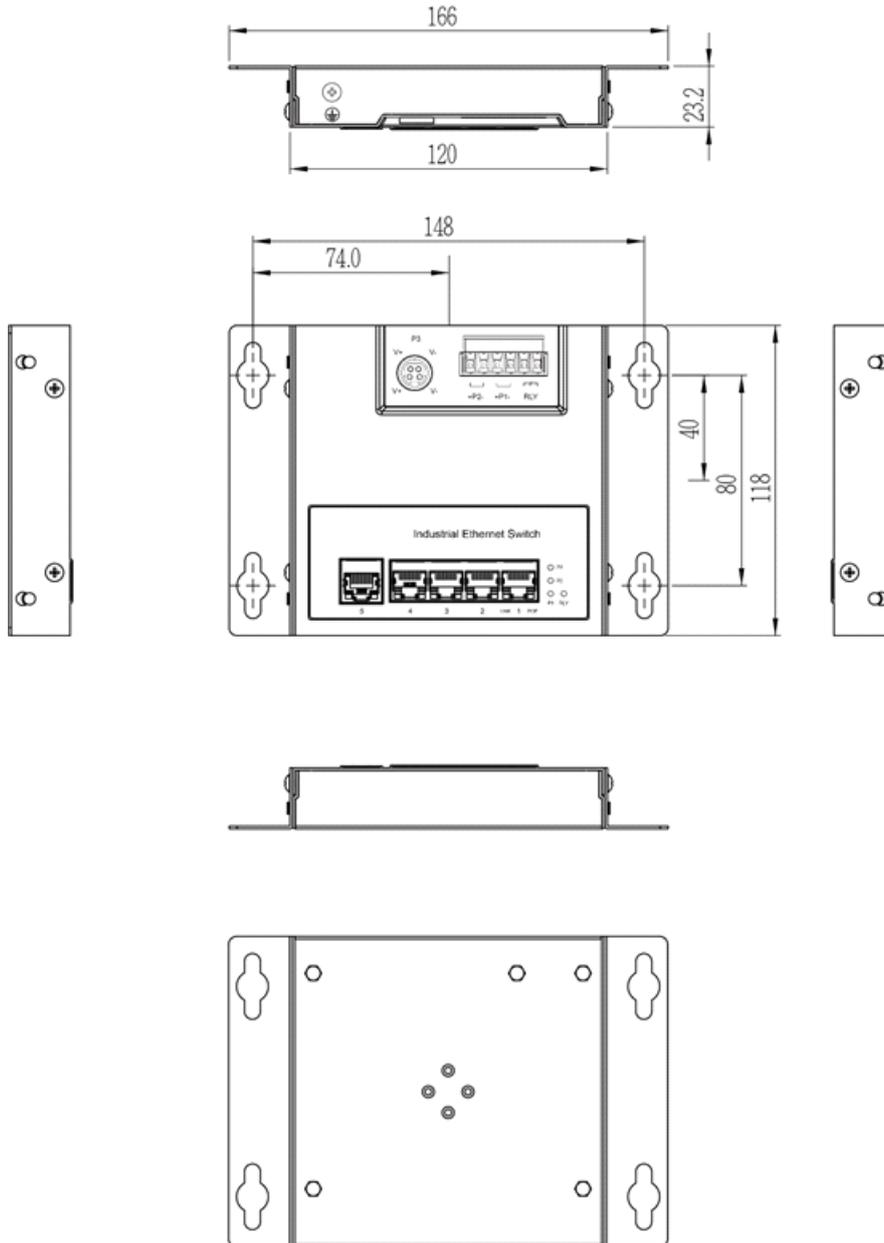
EX41941F	4-port 10/100/1000BASE-T PoE + 1-port Gigabit RJ45 Ethernet Switch
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Hardware Specifications

Interface		+
Ethernet	5 x 10/100/1000BASE-T(X)	
Alarm Contact	1 x relay output Current capacity 1A@24VDC	
LED Indicators	Per unit: Power 1, Power 2, Power 3, Relay Per port: Link/Activity	
Technology		+
Standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX/100BASE-FX IEEE 802.3ab 1000BASE-T IEEE 802.3z 1000BASE-X IEEE 802.3x full duplex and flow control IEEE 802.3af PoE IEEE 802.3at PoE+	
Forward/Filtering Rate	14,800pps for 10Mbps 148,810pps for 100Mbps 1,488,100pps for 1000Mbps	
Processing Type	Store-and-forward Auto-negotiation Half-duplex back-pressure and full-duplex flow control Auto MDI/MDIX	
Switch Properties and Performance		+
Switching Fabric	10Gbps	
Jumbo Frame Size	9KB	
MAC Table Size	2K	
Packet Buffer Memory	1Mb	
Power		+
Input	48-56VDC redundant (terminal block) + 48-56VDC power DIN connector;	
Power Consumption	5.76W max @ 48VDC, without PoE	
PoE Power Output	Per Port: Up to 30W/port Power Budget: 120W	
Protection	Reverse polarity protection, Current overload protection	
Physical		+
Casing Material	Aluminum	
IP Rating	IP30	
Dimensions	4.7" x 0.91" x 6.5" (W x D x H) 118 x 23.2 x 166mm	
Weight	1.0lbs (0.45kg)	
Installation Type	DIN-rail or wall/panel mounting	

Environmental		+
Operating Temp.	-40 to 167°F (-40 to 75°C)	
Storage Temp.	-40 to 185°F (-40 to 85°C)	
Relative Humidity	5% to 95% (non-condensing)	
MTBF	>500,000 hours @ 50°C	
Regulatory		+
ISO	Manufactured in ISO-9001 facility	
EMI	FCC Part 15B Class A EN 55032 EN 55024	
EMS	EN 61000-4-2 (ESD) EN 61000-4-4 (Burst) EN 61000-4-5 (Surge)	
Safety	UL 60950-1	
Vibration	EN 60068-2-6	
Shock	EN 60068-2-27	
Free Fall	EN 60068-2-32	
Warranty		+
Length	Limited Lifetime	
Details	www.etherwan.com/support/warranty-policy	
What's Included		+
Device	Switch	
Installation	Mounting brackets, screws, 6-pin terminal block	
Documentation	Quick install guide	

Dimensions



Accessories

Power Supplies +
<https://www.etherwan.com/us/products/power-supplies>